

STORM DRAINAGE

As a city becomes urbanized, a greater amount of the earth's surface becomes covered with asphalt, concrete and buildings which rainwater cannot penetrate. It is, therefore, necessary for cities to provide storm drainage systems to take care of the run-off water created by the hard surfaces. Storm sewers offer protection against major flood drainage as they collect and dispose of rainwater. The system of storm sewers can be compared to a creek or natural drainage area because all water is disposed of by gravity flow.

In Thomasville, wherever there are paved streets there are storm sewers or storm drainage ditches. The size of the pipe depends on the expected precipitation, area, and shape of the watershed, and the ground slope. It is the practice of the city to install storm sewers when streets are paved so that the system is being gradually enlarged.

RECOMMENDATIONS

1. During the course of this study it was found that no maps were available showing the size, location, and area served by the storm sewer system. To encourage the keeping of such records, it is recommended that maps be prepared that will show the existing system and possible future extensions.

STREET SYSTEM

The street system is the circulation system of the city. It provides a means of circulating people and goods within and throughout a city. A street system is also the structural element in a city as it provides the form for urban growth. As a structural element it provides boundaries for residential neighborhoods and other major land uses. Viewed in this light, it can be understood that there are various types of streets.